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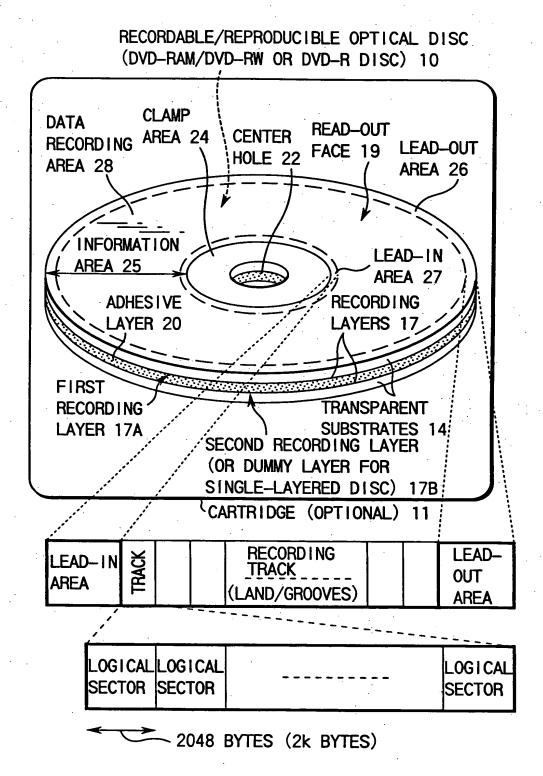
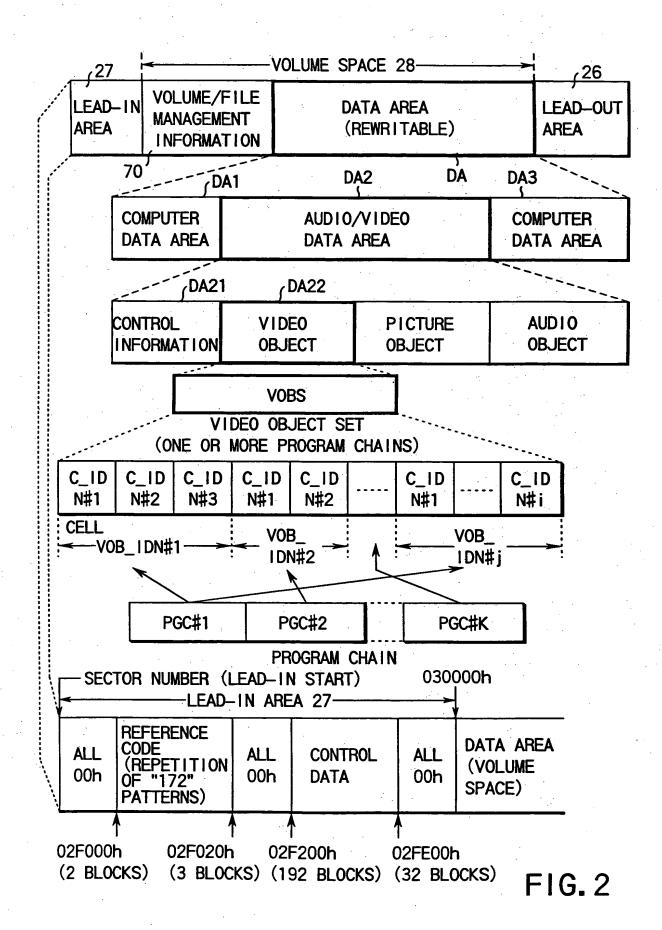


FIG. 1

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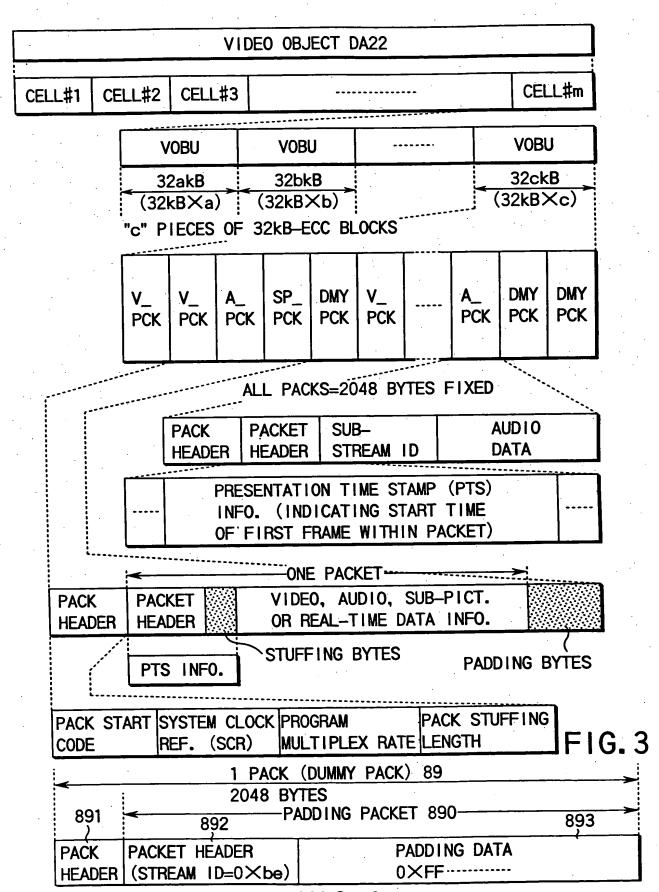


FIG. 4

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## ROOT DIRECTORY SUB-DIRECTORY DVD-RTR DIRECTORY FILES RTR. IFO (VR\_MANGR. IFO) (NAVIGATION DATA RTR\_VMG) RTR MOV. VRO (VR\_MOVIE. VRO) (MOVIE VIDEO OBJECT) RTR\_STO.VRO (VR\_STILL.VRO) (STILL PICTURE VIDEO OBJECT) RTR STA. VRO (VR\_AUDIO. VRO) (STILL PICTURE ADDITIONAL AUDIO OBJECT) RTR=REAL TIME RECORDING OTHER DIRECTORIES VIDEO\_TS (VIDEO TITLE SET) AUDIO\_TS (AUDIO TITLE SET) SUB-DIRECTORY FOR OTHER FILES COMPUTER DATA STORAGE

FIG. 5

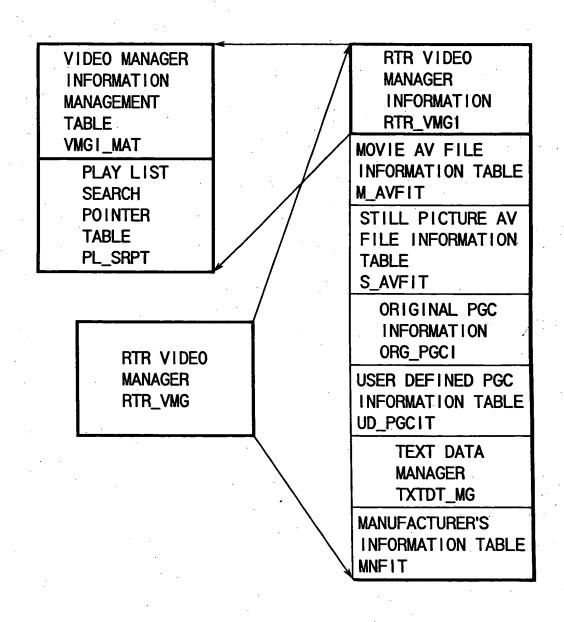


FIG.6

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# CONTENTS OF VIDEO MANAGER INFORMATION MANAGEMENT TABLE (VMGI\_MAT)

RBP	FILE NAME	CONTENTS
0-11	VMG_ID	VMG IDENTIFIER
12–15	RTR_VMG_EA	END ADDRESS OF RTR_VMG
16–27	RESERVED	RESERVED
28–31	VMGI_EA	END ADDRESS OF VMGI
32–33	VERN	VERSION NUMBER OF DVD SPECIFICATION FOR VIDEO RECORDING
32–127	RESERVED	RESERVED
128–129	TM_ZONE	TIME ZONE
130–131	STILL_TM	STILL TIME FOR STILL PICTURES
132–133	CHRS	CHARACTER SET CODE FOR PRIMARY TEXT
134–148	RSM_MRK I	RESUME MAKER INFORMATION
149–163	REP_PICTI	DISC REPRESENTATIVE PICTURE INFORMATION
164–191	RESERVED	RESERVED
192–195	M_AVFIT_SA	START ADDRESS OF M_AVFIT
196–199	S_AVFIT_SA	START ADDRESS OF S_AVFIT
200–207	RESERVED	RESERVED
208–211	ORG_PGCI_SA	START ADDRESS OF ORG_PGC'I
212–215	UD_PGC1T_SA	START ADDRESS OF UD_PGCIT
216–219	TXTDT_MG_SA	START ADDRESS OF TXTDT_MG
220–223	MNFIT_SA	START ADDRESS OF MNFIT
224-511	RESERVED	RESERVED FOR FUTURE USE

RBP=RELATIVE BYTE POSITION

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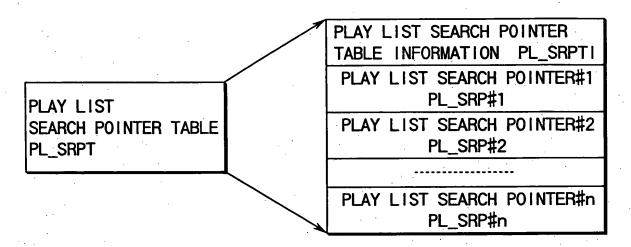


FIG.8

## CONTENTS OF PLAY LIST SEARCH POINTER TABLE INFORMATION (PL\_SRPTI)

RBP	FILE NAME	CONTENTS
0–2	RESERVED	RESERVED
3	PL_SRP_Ns	NUMBER OF PLAY LIST SEARCH POINTERS
4–7	PL_SRPT_EA	END ADDRESS OF PL_SRPT

RBP=RELATIVE BYTE POSITION

FIG.9

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### CONTENTS OF PLAY LIST SEARCH POINTER (PL\_SRP)

RBP	FILE NAME	CONTENTS
0	RESERVED	RESERVED
1 .	PL_TY	PLAY LIST TYPE
2	PGCN	PGC NUMBER
3–7	PL_CREATE_TM	TIME WHEN PLAY LIST WAS CREATED
8–135	PRM_TXT1	PRIMARY TEXT INFORMATION
136–137	IT_TXT_SRPN	ITEM TEXT SEARCH POINTER NUMBER FOR THIS PLAY LIST IT_TXT_SRPN
138–145	THM_PTRI	THUMBNAIL POINTER INFORMATION

RBP=RELATIVE BYTE POSITION

FIG. 10

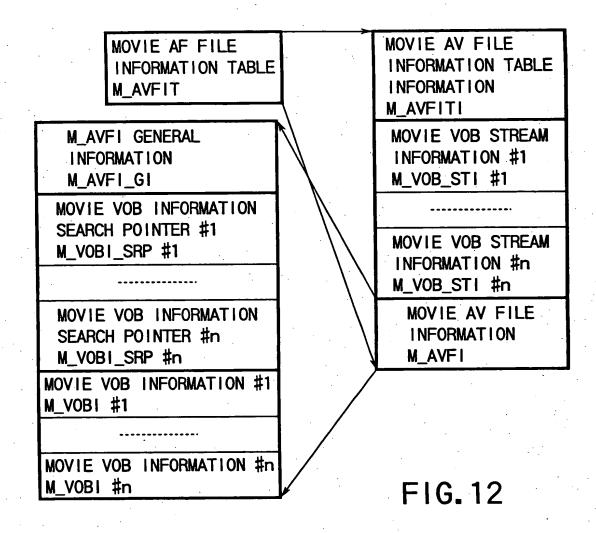
#### CONTENTS OF THUMBNAIL POINTER INFORMATION (THM\_PTRI)

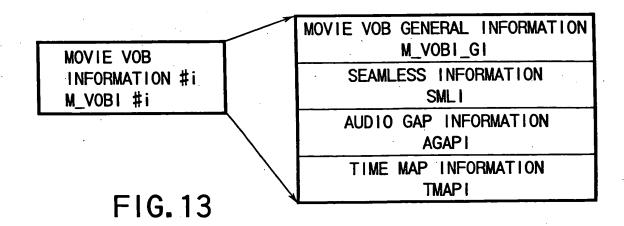
RBP	FILE NAME	CONTENTS
138–139	CN	CELL NUMBER
140–145	THM_PT	THUMBNAIL POINT

RBP=RELATIVE BYTE POSITION

FIG. 11

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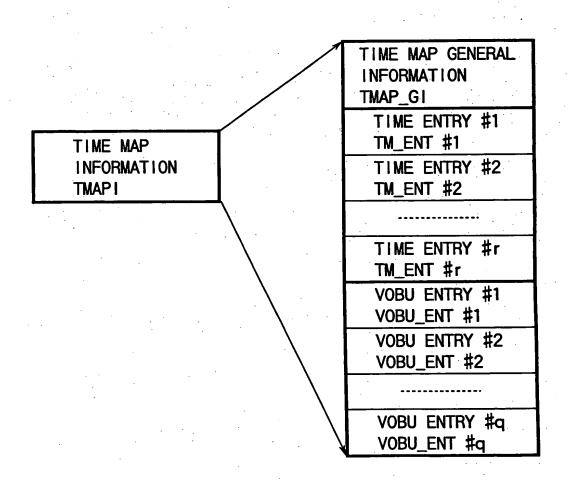


FIG. 14

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#### CONTENTS OF TIME MAP GENERAL INFORMATION (TMAP\_GI)

RBP	FILE NAME	CONTENTS
0–1	TM_ENT_Ns	NUMBER OF TIME ENTRIES
2–3	VOBU_ENT_Ns	NUMBER OF VOBU ENTRIES
4–5	TM_OFS	TIME OFFSET
6–9	ADR_OFS	ADDRESS OFFSET

RBP=RELATIVE BYTE POSITION

FIG. 15

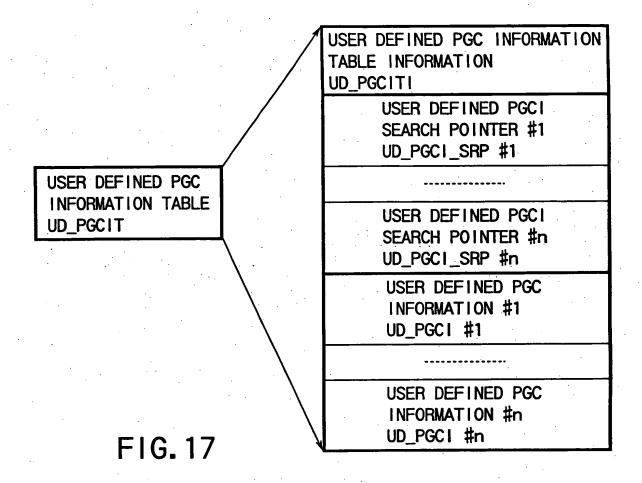
### CONTENTS OF TIME ENTRY (TM\_ENT)

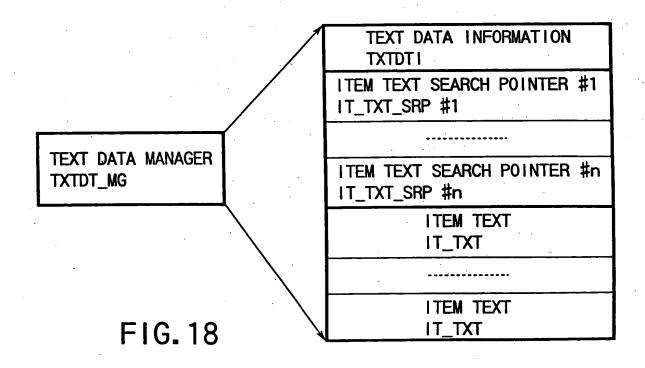
RBP	FILE NAME	CONTENTS
0–1	VOBU_ENTN	VOBU ENTRY NUMBER
2	TM_DIFF	TIME DIFFERENCE
3–6	VOBU_ADR	TARGET VOBU ADDRESS

RBP=RELATIVE BYTE POSITION

FIG. 16

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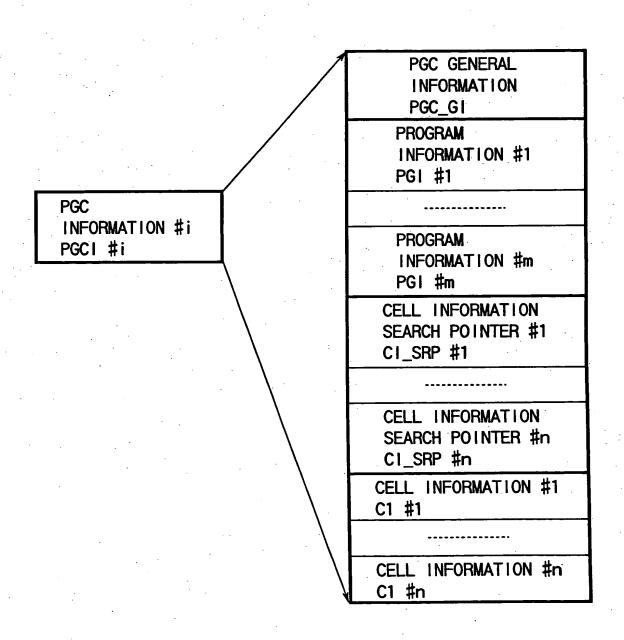


FIG. 19

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#### CONTENTS OF PGC GENERAL INFORMATION (PGC\_GI)

RBP	FILE NAME	CONTENTS
0	RESERVED	RESERVED
1	PG_Ns	NUMBER OF PROGRAMS
2–3	CI_SRP_Ns	NUMBER OF CI_SRPs

RBP=RELATIVE BYTE POSITION

FIG. 20

## CONTENTS OF PROGRAM INFORMATION (PGI)

RBP	FILE NAME	CONTENTS
0	RESERVED	RESERVED
. 1	PG_TY	PROGRAM TYPE
2–3	C_Ns	NUMBER OF CELLS IN THIS PROGRAM
4–131	PRM_TXT1	PRIMARY TEXT INFORMATION
132–133	IT_TXT_SRPN	IT_TXT_SRP NUMBER
134–141	THM_PTRI	THUMBNAIL POINTER INFORMATION

RBP=RELATIVE BYTE POSITION

FIG. 21

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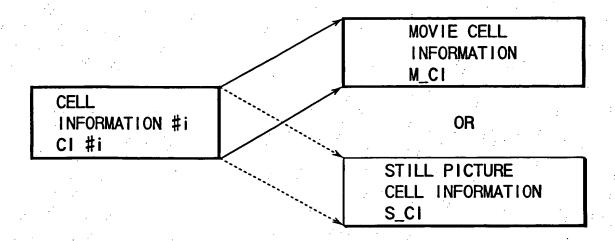


FIG. 22

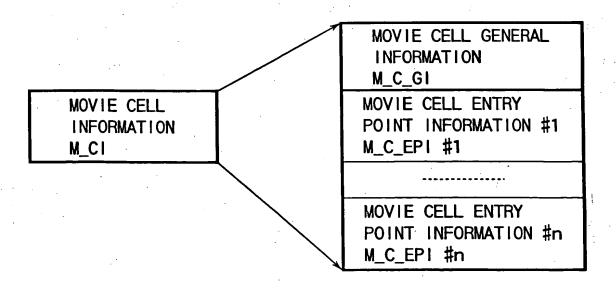


FIG. 23

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#### CONTENTS OF MOVIE CELL GENERAL INFORMATION (M\_C\_GI)

		· · · · · · · · · · · · · · · · · · ·
RBP	FILE NAME	CONTENTS
Ō	RESERVED	RESERVED
1	C_TY	CELL TYPE
2–3	M_VOBI_SRPN	MOVIE VOBI SEARCH POINTER NUMBER
4–5	C_EP1_Ns	NUMBER OF CELL ENTRY POINT INFORMATION
6–11	C_V_S_PTM	PRESENTATION START TIME OF THIS CELL
12–17	C_V_E_PTM	PRESENTATION END TIME OF THIS CELL

RBP=RELATIVE BYTE POSITION

DATE INFORMATION
TEXT INFORMATION

FIG. 24

## CONTENTS OF MOVIE CELL ENTRY POINT INFORMATION (M\_C\_EPI)

RBP	FILE NAME	CONTENTS
0	EP_TY	ENTRY POINT TYPE
1–6	EP_PTM	PRESENTATION TIME OF ENTRY POINT
7–134	PRM_TXT1	PRIMARY TEXT INFORMATION
RBP=RE	LATIVE BYTE POSITION	
	INFORMATION TYPE	

FIG. 25

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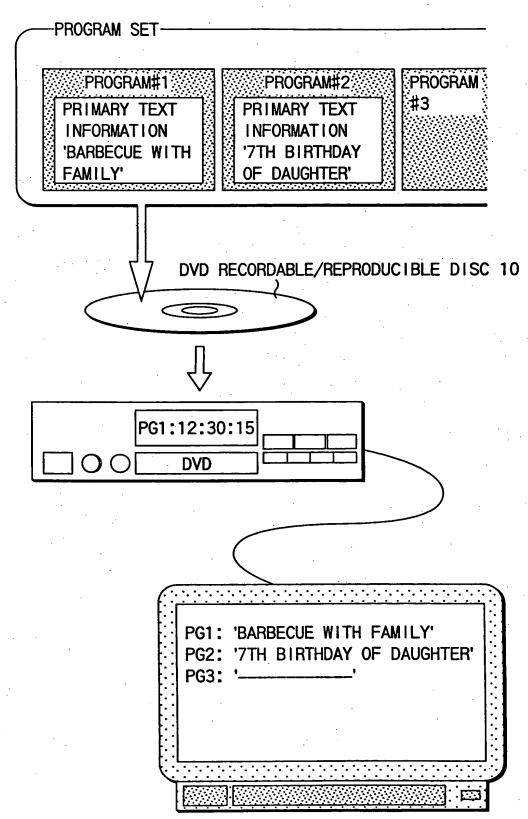


FIG. 26

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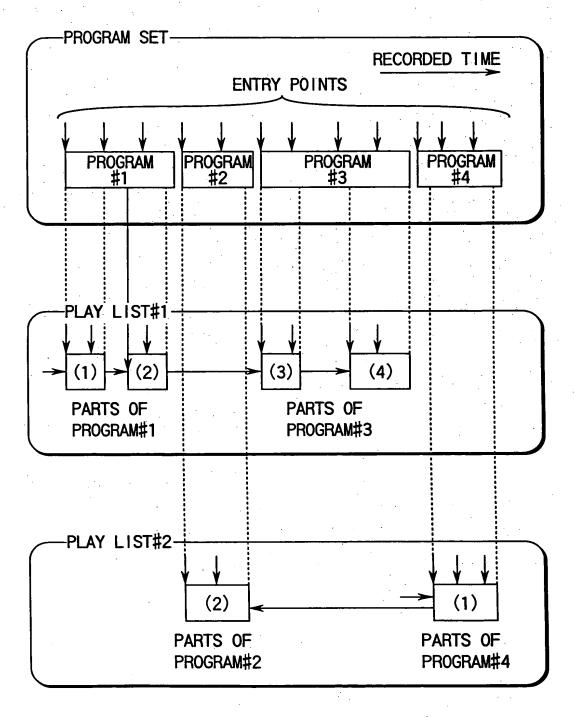


FIG. 27

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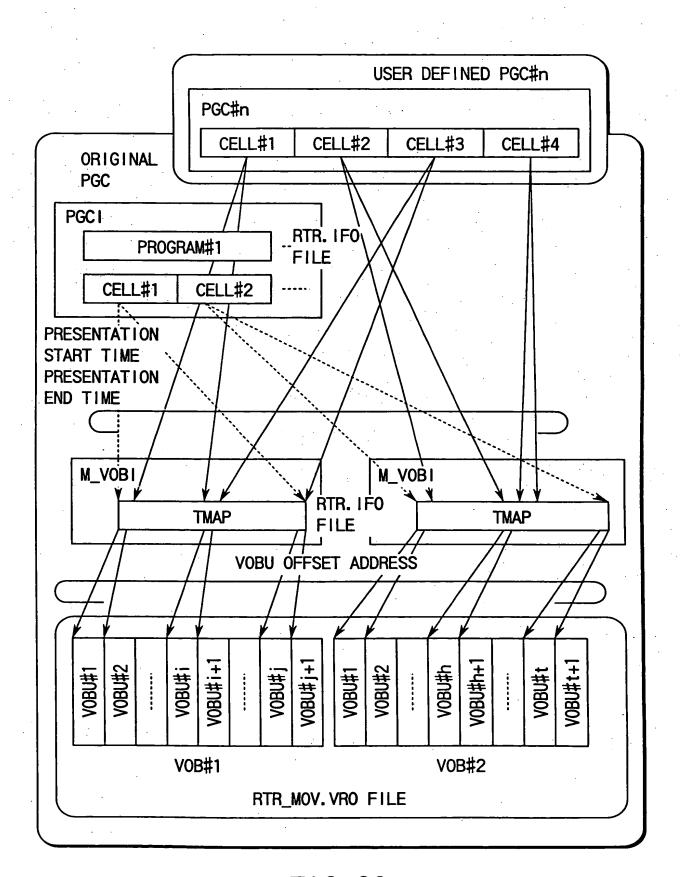
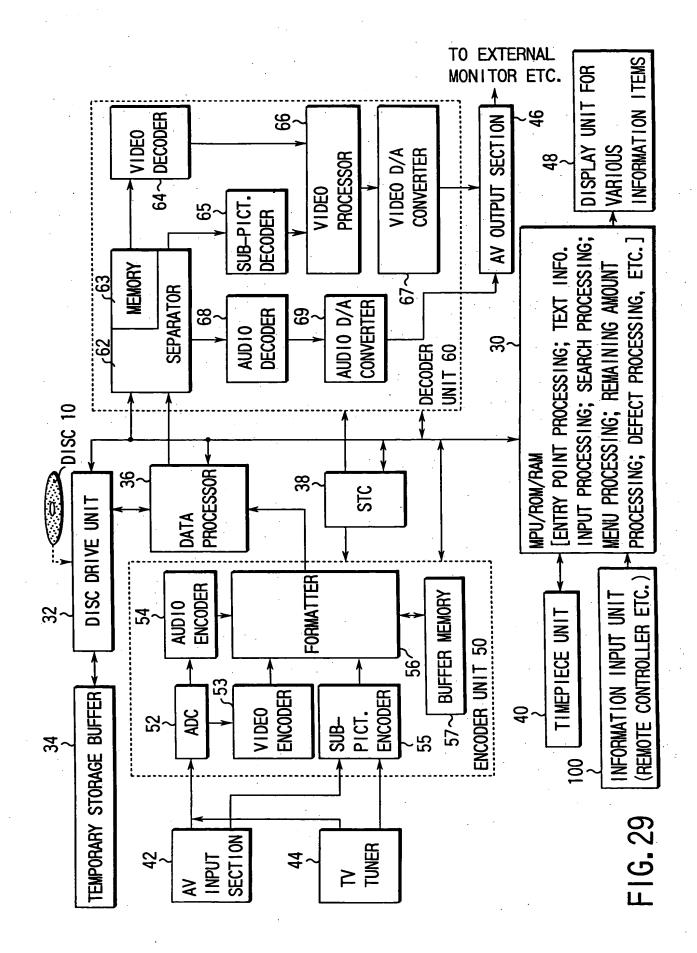
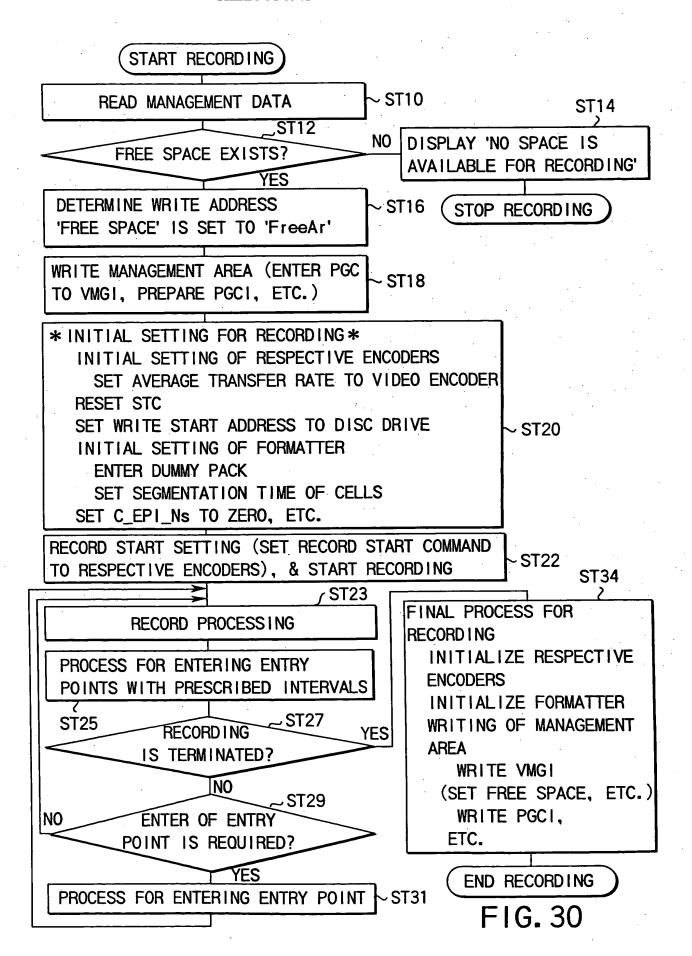


FIG. 28

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DOCKET NO: 249651US2S DIV
INVENTOR:
Yasufumi TSUMAGARI et al.
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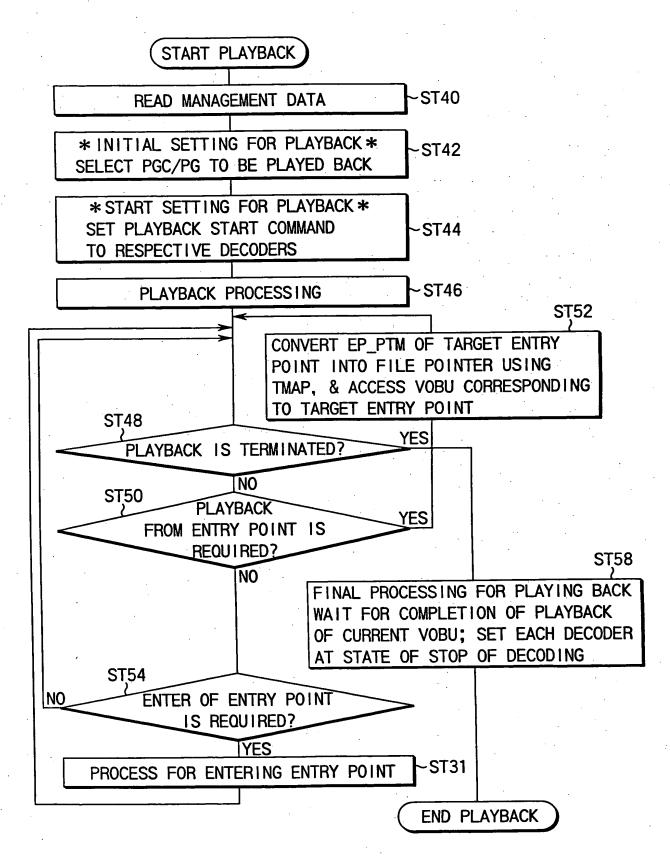


FIG. 31

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DOCKET NO: 249651US2S DIV
INVENTOR:
Yasufumi TSUMAGARI et al.
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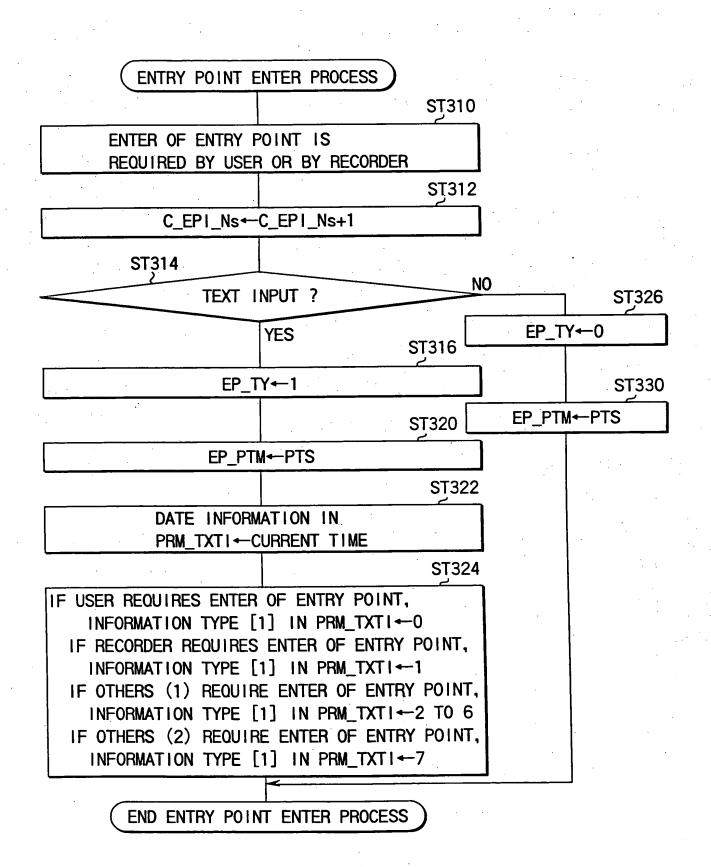


FIG. 32

OBLON, SPIVAK, et al. DOCKET NO: 249651US2S DIV INVENTOR: Yasufumi TSUMAGARI et al. SHEET 24 of 41

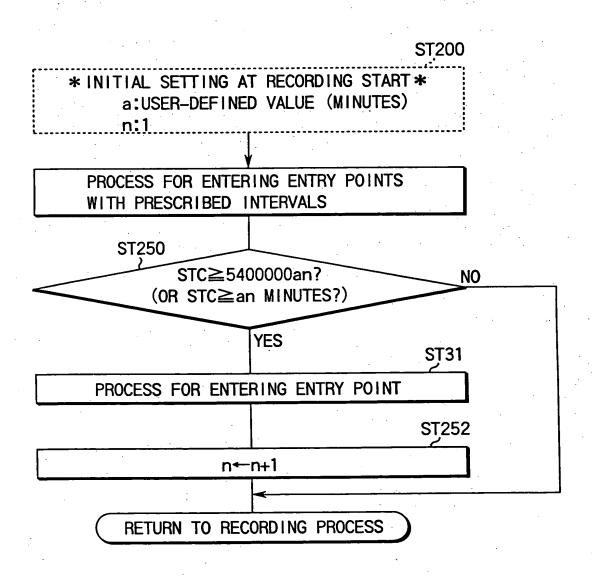


FIG. 33

OBLON, SPIVAK, et al. DOCKET NO: 249651US2S DIV INVENTOR: Yasufumi TSUMAGARI et al. SHEET 25 of 41

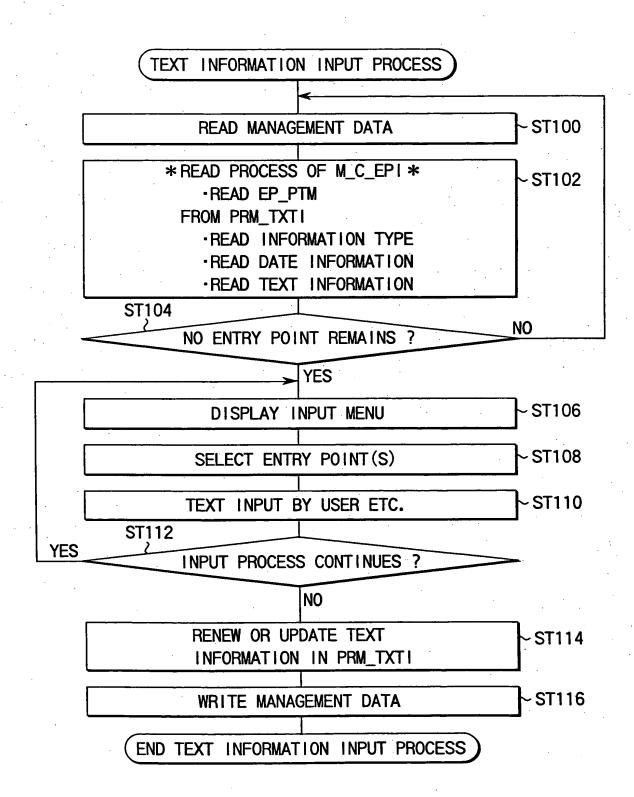


FIG. 34

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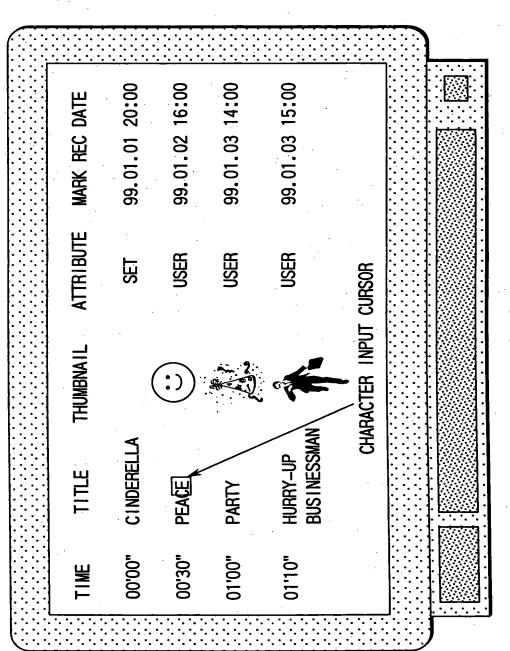


FIG. 35

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INVENTOR:
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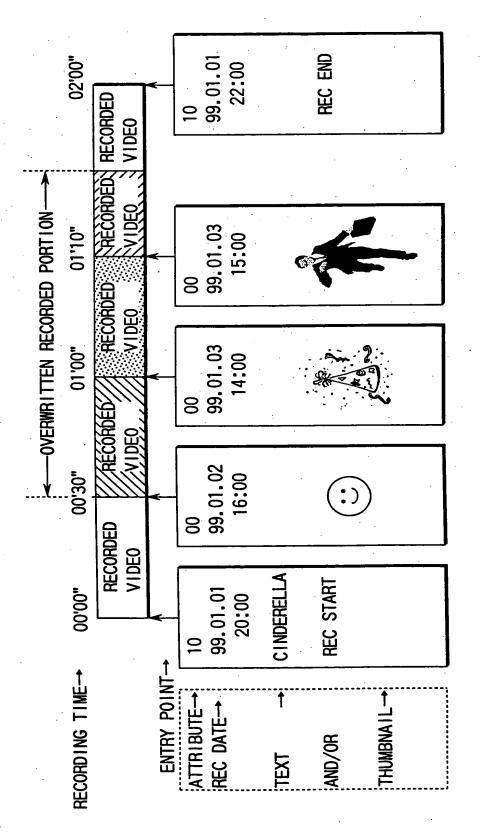


FIG. 36

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INVENTOR:
Yasufumi TSUMAGARI et al.
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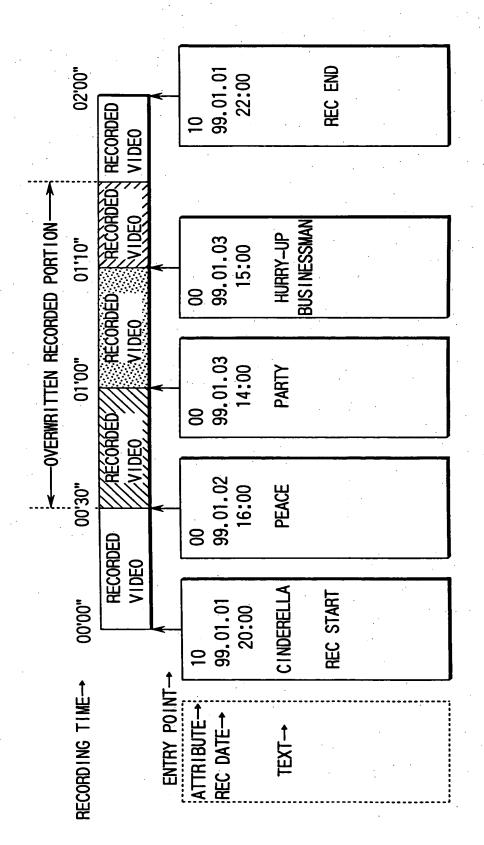


FIG. 37

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INVENTOR:
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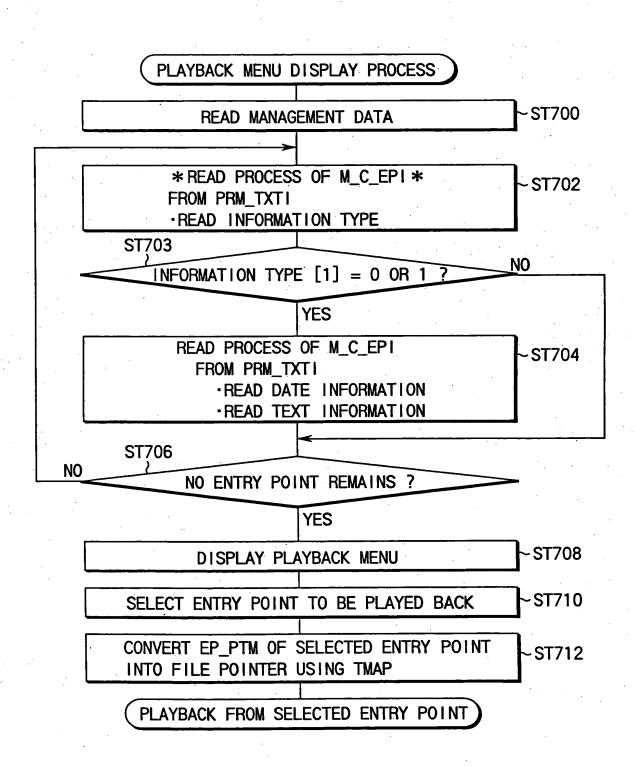


FIG. 38

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	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·				1	
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FIG. 39

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INVENTOR:
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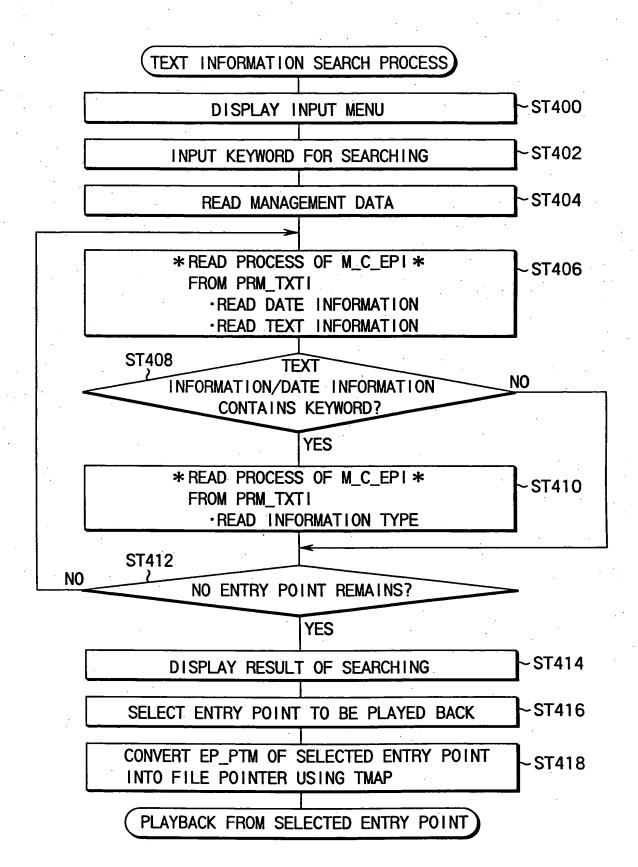


FIG. 40

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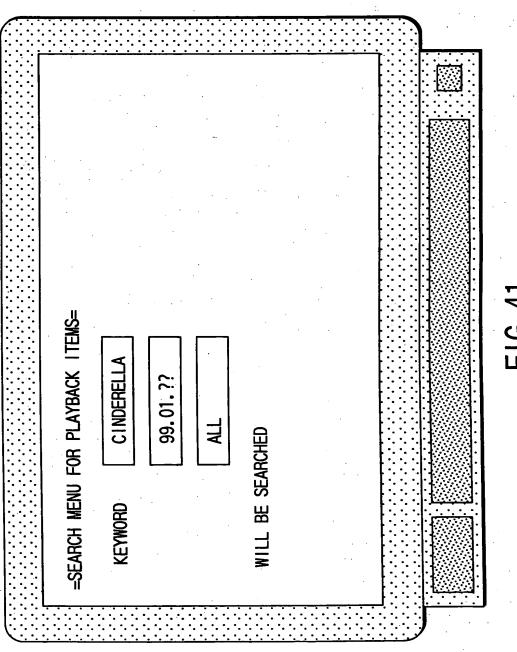


FIG. 41

**6.** 42

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INVENTOR:
Yasufumi TSUMAGARI et al.

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OBLOÑ, SPIVAK, et al. DOCKET NO: 249651US2S DIV INVENTOR: Yasufumi TSUMAGARI et al. SHEET 34 of 41

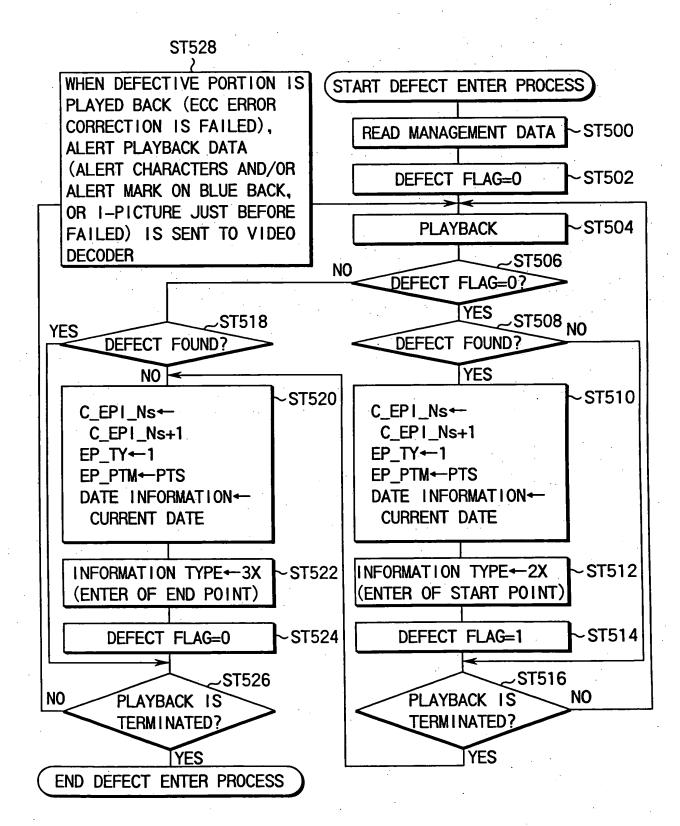
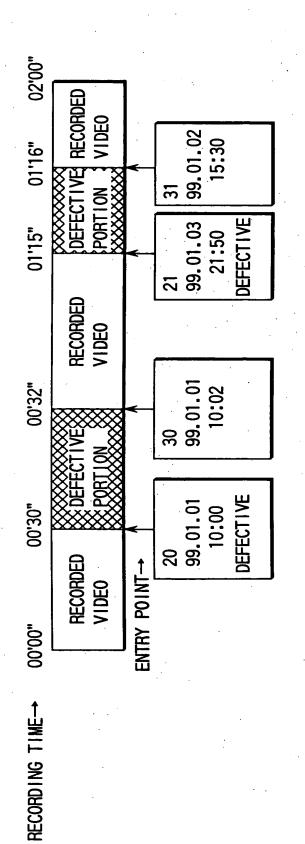


FIG. 43

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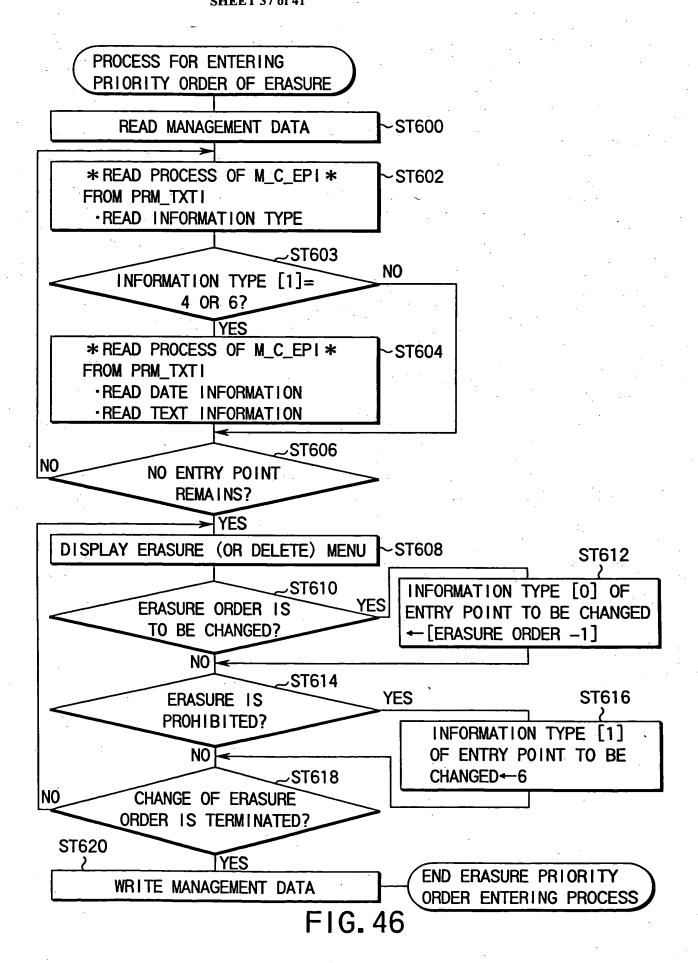
F16.44

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INVENTOR:
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=DEFECT MANAGEMENT MENU=	EMENT MENU=	
TIME	REPRODUCTION MANNER	DEFECT FOUND DATE
00'30"-00'32"	TO PLAYBACK WITH INCOMPLETE VIDEO/AUDIO	99.01.01 10:00
01.15"-01.16"	TO SKIPPING WHILE DISPLAYING ERROR ALERT ON BLUE BACK	99.01.03 21:50
01'49"-01'52"	TO SKIPPING WHILE DISPLAYING ERROR ALERT ON STILL PICT. OBTAINED JUST BEFORE OCCURRING ERROR	99.01.15 09:00

FIG. 45

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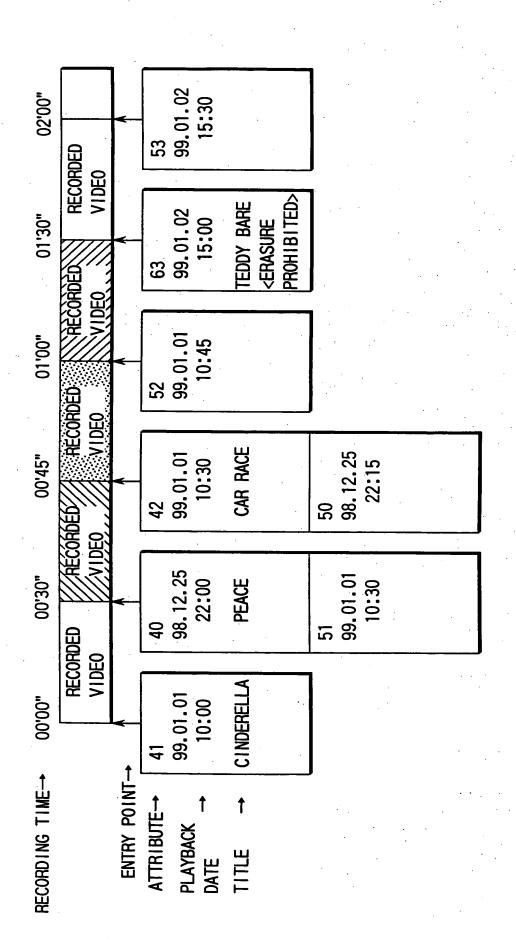


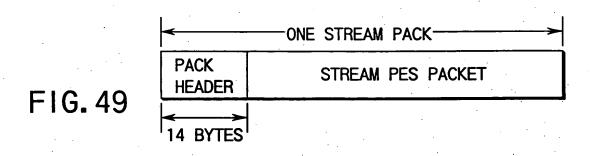
FIG. 47

OBLON, SPIVAK, et al. DOCKET NO: 249651US2S DIV INVENTOR: Yasufumi TSUMAGARI et al. SHEET 39 of 41

	TITE	THUMBNAIL	PLAYBACK DATE	ERASURE ORDER
00.00	CINDERELLA	(	99.01.01 10:00	8
.00,30	PEACE	$\bigcirc$	98.12.25 22:00	-
	CAR RACE		99.01.01 10:30	3
01'30"	TEDDY BARE		99.01.02 15:00	CAN'T ERASE
			INPUT CURSOR FOR ERASURE ORDER OR ERASURE PROHIBITION	ERASURE PROHIBITION

FIG. 48

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INVENTOR:
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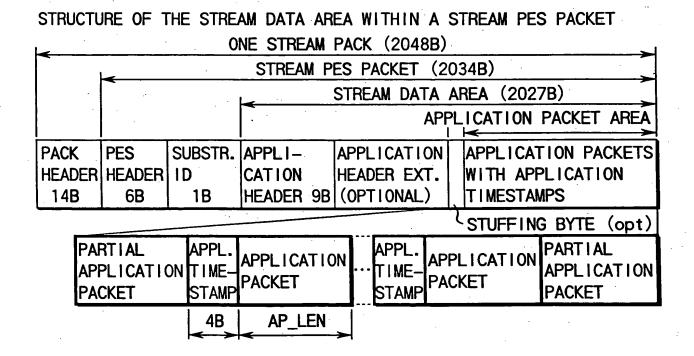


FIG. 50

OBLON, SPIVAK, et al.
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INVENTOR:
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